

Table 5.3-2. Results for Indicator Contaminants, Grain Size, and TOC in Sediment Traps, First Quarter (Winter 2007).

Analyte	Units	LW3-ST001 1/30/2007	LW3-ST002 1/30/2007	LW3-ST003 2/1/2007	LW3-ST004 1/30/2007	LW3-ST005 1/30/2007	LW3-ST007 1/31/2007	LW3-ST008 1/31/2007
		LW3-ST1001	LW3-ST1002	LW3-ST1003	LW3-ST1004	LW3-ST1005-1	LW3-ST1007	LW3-ST1008
Grain Size								
Gravel	percent	0.81 T	0.67 T	0.13 T	0.27 T	0.35 T	0.637 T	0.71 T
Sand	percent	3.88 T	16.81 T	18.24 T	17.01 T	14.765 T	31.71 T	69.67 T
Silt	percent	87.34 T	75.68 T	76.88 T	74.83 T	78.48 T	60.82 T	23.47 T
Clay	percent	7.65 T	6.5 T	8.14 T	6.24 T	5.92 T	6.31 T	4.83 T
Conventionals								
Total organic carbon	percent	2.52	2.3	2.7	2.53	3.02 T	2.4	1.41
Metals								
Arsenic	mg/kg	4.38	3.89	3.87	3.75	4.15 T	3.78 T	3.09
Chromium	mg/kg	38.6	40.4	37.3	35.2	40.4 T	38.1 T	34
Copper	mg/kg	46.6	46	43.7	46.5	48.5 T	41.8 T	32.3
Zinc	mg/kg	105	110	100	100	111 T	100 T	87.7
Butyltins								
Tributyltin ion	µg/kg	3.2	2.9	2.6 J	4.6	0.17 UT	0.83 U	0.12 U
PCBs								
Total PCB Aroclors	µg/kg	12 UT	5.6 UT	7.4 UT	16 JT	5.9 UT	150 T	5.7 UT
Total PCB Congeners	µg/kg	12.8 JT	7.71 T	7.9 T	24.2 JT	10.6 JT	28.7 JT	9.53 JT
Total PCBs ^a	µg/kg	12.8 JT	7.71 T	7.9 T	24.2 JT	10.6 JT	28.7 JT	9.53 JT
PCDD/Fs Homologs								
Total PCDD/F	pg/g	563 T	157 JT	90.1 JT	253 T	363 T	252 T	165 T
PCDD/Fs								
TCDD TEQ (ND=0)	pg/g	1.65 JT	0.327 JT	0.225 JT	0.461 JT	1.07 JT	0.436 JT	0.515 JT
Pesticides								
Aldrin	µg/kg	0.83 J	0.61 U	0.63 J	0.41 U	1.1 NJT	1 U	1.6 U
Dieldrin	µg/kg	0.9 U	0.79 U	0.77 U	0.8 U	0.84 UT	0.67 U	3 U
Total Chlordanes	µg/kg	1 NJT	1.1 JT	0.51 NJT	0.49 NJT	1.6 NJT	1 UT	3.7 NJT
Total DDX	µg/kg	4.3 JT	1.4 NJT	5.8 NJT	4.4 JT	6.5 JT	7.4 NJT	2.5 UT
Polycyclic Aromatic Hydrocarbons								
Total PAHs	µg/kg	190 JT	410 JT	930 T	1000 T	4000 T	120 JT	120 JT
Phthalates								
Bis(2-ethylhexyl) phthalate	µg/kg	88	100	120	220	130 T	110	96

Notes:

^a Total PCBs are total PCB congeners whenever available and total Aroclors if not.

PAH - polycyclic aromatic hydrocarbon

PCB - polychlorinated biphenyl

TOC - total organic carbon

Reason codes for qualifiers:

A - Total value based on limited number of analytes.

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results for Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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LW3-ST009	LW3-ST010	LW3-ST011	LW3-ST012	LW3-ST013	LW3-ST015
2/2/2007	2/2/2007	2/1/2007	2/1/2007	2/1/2007	1/31/2007
LW3-ST1009	LW3-ST1010	LW3-ST1011	LW3-ST1012	LW3-ST1013	LW3-ST1015
0.56 <i>T</i>	2.5 <i>T</i>	0.2 <i>T</i>	0.06 <i>T</i>	0.02 <i>T</i>	0.68 <i>T</i>
84.03 <i>T</i>	64.24 <i>T</i>	8.81 <i>T</i>	6.81 <i>T</i>	9.39 <i>T</i>	15.78 <i>T</i>
17.39 <i>T</i>	35.37 <i>T</i>	84.94 <i>T</i>	85.08 <i>T</i>	86.22 <i>T</i>	78.28 <i>T</i>
4.27 <i>T</i>	5.04 <i>T</i>	7.68 <i>T</i>	7.82 <i>T</i>	9.15 <i>T</i>	5.54 <i>T</i>
1.11	1.89	2.54	2.97	2.64	2.47
2.82	3.45	4.26	4.25	4.22	3.61
31.2	36.1	40.2	41.3	47.1	37.4
26.4	36.2	48.2	48.5	52.5	43.5
78	90	110	110	114	109
1.9	0.6 <i>U</i>	3.3 <i>J</i>	1.8 <i>J</i>	3.7	4.2
3.1 <i>UT</i>	13 <i>T</i>	6.5 <i>UT</i>	13 <i>JT</i>	13 <i>T</i>	32 <i>JT</i>
5.9 <i>JT</i>	5.46 <i>JT</i>	16.7 <i>JT</i>	11.5 <i>T</i>	23.7 <i>T</i>	17.9 <i>T</i>
5.9 <i>JT</i>	5.46 <i>JT</i>	16.7 <i>JT</i>	11.5 <i>T</i>	23.7 <i>T</i>	17.9 <i>T</i>
141 <i>T</i>	72.2 <i>JT</i>	535 <i>T</i>	79.3 <i>JT</i>	209 <i>T</i>	268 <i>T</i>
0.426 <i>JT</i>	0.192 <i>JT</i>	1.11 <i>JT</i>	0.149 <i>JT</i>	0.514 <i>JT</i>	0.499 <i>JT</i>
1 <i>U</i>	1 <i>U</i>	0.43 <i>U</i>	0.9 <i>J</i>	0.43 <i>U</i>	0.4 <i>U</i>
0.52 <i>U</i>	0.66 <i>U</i>	0.82 <i>U</i>	0.84 <i>U</i>	0.83 <i>U</i>	0.78 <i>U</i>
0.24 <i>JT</i>	0.4 <i>JT</i>	0.39 <i>JT</i>	0.9 <i>JT</i>	2 <i>JT</i>	1.5 <i>JT</i>
0.98 <i>JT</i>	6.4 <i>JT</i>	3.5 <i>NJT</i>	7.8 <i>JT</i>	3.4 <i>JT</i>	2.1 <i>NJT</i>
100 <i>JT</i>	1300 <i>JT</i>	250 <i>JT</i>	760 <i>T</i>	200 <i>JT</i>	180 <i>JT</i>
35	76	110	190	230	130

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sults that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the

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Table 5.3-3. Results for Indicator Contaminants, Grain Size, and TOC in Sediment Traps, Second Quarter (Spring 2007).

Analyte	Units	LW3-ST002	LW3-ST003	LW3-ST004	LW3-ST005	LW3-ST007	LW3-ST008
		5/1/2007	5/1/2007	4/30/2007	4/30/2007	4/30/2007	4/30/2007
Grain Size							
Gravel	percent	0.05 T	0.09 T	0.05 T	0.38 T	0.3 T	1.41 T
Sand	percent	9.45 T	16.13 T	7.65 T	5.49 T	24.35 T	16.26 T
Silt	percent	86.1 T	70.13 T	78.7 T	81.4 T	63.81 T	69.34 T
Clay	percent	12.19 T	12.84 T	13.04 T	13.04 T	11.75 T	12.8 T
Conventional							
Total organic carbon	percent	2.46	2.69	2.7	3.06	2.62	3.14
Metals							
Arsenic	mg/kg	5.6	4.5	5.2	4.7	4.45 T	4.5
Chromium	mg/kg	36.2 J	28.7 J	31.8 J	31.3 J	31.4 JT	30.4 J
Copper	mg/kg	52.4	40.9	56	43	40.9 T	43.5
Zinc	mg/kg	135	125	132	127	113 T	116
Butyltins							
Tributyltin ion	µg/kg	1.7 J	1.6 J	4.9	1.5 J	1.4 J	0.48 J
PCBs							
Total PCB Aroclors	µg/kg	7.1 JT	9.4 JT	8.3 JT	27 JT	71 JT	24 JT
Total PCB Congeners	µg/kg	7.69 JT	7.07 JT	11.7 T	11.3 T	840 T	6.42 JT
Total PCBs ^a	µg/kg	7.69 JT	7.07 JT	11.7 T	11.3 T	840 T	6.42 JT
PCDD/Fs Homologs							
Total PCDD/F	pg/g	81.1 JT	5.16 JT	304 JT	230 JT	60.4 JT	249 JT
PCDD/Fs							
TCDD TEQ (ND=0)	pg/g	0.098 JT	0.0974 JT	0.461 JT	1.42 JT	0.0775 JT	0.236 JT
Pesticides							
Aldrin	µg/kg	0.48 U	0.44 U	0.46 U	0.45 U	0.78 U	0.42 U
Dieldrin	µg/kg	0.92 U	0.84 U	0.88 U	0.86 U	0.72 U	0.81 U
Total Chlordanes	µg/kg	1.2 UT	1.1 UT	0.49 JT	0.83 JT	0.84 JT	0.34 JT
Total DDx	µg/kg	5.5 JT	6.2 JT	5.3 NJT	8.9 JT	7.3 NJT	5.9 JT
Polycyclic Aromatic Hydrocarbons							
Total PAHs	µg/kg	290 JT	760 T	250 JT	4100 T	160 JT	170 JT
Phthalates							
Bis(2-ethylhexyl) phthalate	µg/kg	130	98	130	140	290	150

Notes:

^a Total PCBs are total PCB congeners whenever available and total Aroclors if not.

PAH - polycyclic aromatic hydrocarbon

PCB - polychlorinated biphenyl

TOC - total organic carbon

Reason codes for qualifiers:

A - Total value based on limited number of analytes.

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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LW3-ST009	LW3-ST010	LW3-ST011	LW3-ST012	LW3-ST015	LW3-ST016
4/30/2007	4/30/2007	5/2/2007	5/2/2007	5/1/2007	5/1/2007
LW3-ST-2009	LW3-ST-2010	LW3-ST-2011	LW3-ST-2012	LW3-ST-2015	LW3-ST-2016
1.01 T	0.57 T	0.03 T	0.14 T	0.2 T	0.17 T
27.01 T	19.43 T	1.78 T	3.234 T	9.13 T	6.75 T
60.16 T	69.94 T	84.1 T	83 T	79.79 T	77.68 T
11.18 T	11 T	11.56 T	12.97 T	9.03 T	11.75 T
3.11	2.99	2.8	3.05 T	2.73	2.61
4.5	4.5	4.9	5.6	5.3	4.9
30.5 J	29.3 J	30 J	38.9 J	33.9 J	33.4 J
39.7	41.4	48.3	55.6	45.7	44.8
93.5	109	115	135	143	127
0.42 U	0.65 U	3.4	1.5 J	0.74 J	0.59 J
4.3 UT	4.7 UT	31 JT	24 JT	43 JT	15 JT
4.07 JT	4.82 JT	16.9 T	9.04 T	30.7 T	17 T
4.07 JT	4.82 JT	16.9 T	9.04 T	30.7 T	17 T
272 JT	32.2 JT	258 JT	114 JT	221 JT	183 JT
0.586 JT	0.0529 JT	0.354 JT	0.526 JT	0.393 JT	0.167 JT
0.38 U	0.41 U	0.49 U	0.48 U	0.44 U	0.41 U
0.73 U	0.79 U	0.95 U	0.92 U	0.84 U	0.79 U
0.93 UT	0.45 JT	1.3 UT	0.22 NJT	0.34 JT	1 UT
2.8 JT	6.3 NJT	4.1 JT	4.8 JT	9 NJT	6.4 NJT
77 JT	79 JT	300 JT	470 JT	200 JT	120 JT
140	85	160	150	140	160

. Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by

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Table 5.3-4. Results for Indicator Contaminants, Grain Size, and TOC in Sediment Traps, Third Quarter (Summer 2007).

Analyte	Units	LW3-ST002	LW3-ST004	LW3-ST005	LW3-ST006	LW3-ST007	LW3-ST009
		8/16/2007	8/8/2007	8/8/2007	8/16/2007	8/17/2007	8/17/2007
		LW3-ST3002	LW3-ST3004	LW3-ST3005	LW3-ST3006	LW3-ST3007	LW3-ST3009
Grain Size							
Gravel	percent	1.29 <i>T</i>	0.5 <i>T</i>	--	--	4.86 <i>T</i>	--
Sand	percent	9.4 <i>T</i>	10.13 <i>T</i>	--	--	32.81 <i>T</i>	--
Silt	percent	82.9 <i>T</i>	84.4 <i>T</i>	--	--	64.02 <i>T</i>	--
Clay	percent	10.31 <i>T</i>	14.74 <i>T</i>	--	--	10.73 <i>T</i>	--
Conventional							
Total organic carbon	percent	1.98	2.67	--	3.24	2.66	2.74
Metals							
Arsenic	mg/kg	3.22	3.94	--	5.65 <i>T</i>	3.04	5.5
Chromium	mg/kg	21.7	32.1	--	42.6 <i>T</i>	34.3	59.5
Copper	mg/kg	32.2	42.4	--	93.6 <i>T</i>	37.8	75.1
Zinc	mg/kg	115	117	--	319 <i>T</i>	117	184
Butyltins							
Tributyltin ion	µg/kg	7.1	7.9	--	64	4.9	0.24 <i>U</i>
PCBs							
Total PCB Aroclors	µg/kg	6.5 <i>UT</i>	23 <i>T</i>	--	160 <i>T</i>	1800 <i>T</i>	310 <i>UT</i>
Total PCB Congeners	µg/kg	13.8 <i>T</i>	29.9 <i>JT</i>	20.7 <i>JT</i>	87.5 <i>JT</i>	4830 <i>JT</i>	3.14 <i>JT</i>
Total PCBs ^a	µg/kg	13.8 <i>T</i>	29.9 <i>JT</i>	20.7 <i>JT</i>	87.5 <i>JT</i>	4830 <i>JT</i>	3.14 <i>JT</i>
PCDD/Fs Homologs							
Total PCDD/F	pg/g	1250 <i>JT</i>	120 <i>JT</i>	--	--	1820 <i>JT</i>	131 <i>JT</i>
PCDD/Fs							
TCDD TEQ (ND=0)	pg/g	2.94 <i>JT</i>	0.157 <i>JT</i>	--	--	4.73 <i>JT</i>	0.257 <i>JT</i>
Pesticides							
Aldrin	µg/kg	0.61 <i>U</i>	0.73 <i>U</i>	--	0.35 <i>U</i>	0.92 <i>U</i>	0.25 <i>U</i>
Dieldrin	µg/kg	0.89 <i>U</i>	1.1 <i>U</i>	--	4.9	13 <i>U</i>	3.3 <i>J</i>
Total Chlordanes	µg/kg	0.71 <i>UT</i>	0.92 <i>UT</i>	--	3.1 <i>NJT</i>	98 <i>UT</i>	1 <i>NJT</i>
Total DDX	µg/kg	2.4 <i>JT</i>	7.4 <i>JT</i>	--	25 <i>NJT</i>	24 <i>T</i>	5.9 <i>JT</i>
Polycyclic Aromatic Hydrocarbons							
Total PAHs	µg/kg	420 <i>JT</i>	440 <i>JT</i>	--	2300 <i>T</i>	640 <i>T</i>	200 <i>JT</i>
Phthalates							
Bis(2-ethylhexyl) phthalate	µg/kg	110	81	--	1600	460	210

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Notes:

^a Total PCBs are total PCB congeners whenever available and total Aroclors if not.

-- data not available

PAH - polycyclic aromatic hydrocarbon

PCB - polychlorinated biphenyl

TOC - total organic carbon

Reason codes for qualifiers:

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T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte) parameters reported by multiple methods) for the Round 2 data.

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LW3-ST011	LW3-ST012	LW3-ST013	LW3-ST014	LW3-ST015
8/16/2007	8/16/2007	8/16/2007	8/16/2007	8/17/2007
LW3-ST3011	LW3-ST3012	LW3-ST3013	LW3-ST3014	LW3-ST3015-1
--	1.09 T	--	0.17 T	0.863 T
--	3.48 T	--	13.03 T	7.42 T
--	83.7 T	--	76.78 T	80.55 T
--	12.58 T	--	10.17 T	9.83 T
2.99	2.72	2.63	2.66	2.68 T
5.4	3.6	--	3.18	3.4 JT
39	32.4	--	29.2	28.7 T
53.2	37.6	--	34.4	37 JT
181	111	--	108	122 T
--	3.7 J	--	13	2.3 JT
39.2 NJT	12 UT	125 NJT	10 JT	31 T
44.8 JT	12.2 JT	67.8 JT	16 JT	44.7 JT
44.8 JT	12.2 JT	67.8 JT	16 JT	44.7 JT
--	191 JT	--	251 JT	188 JT
--	0.631 JT	--	0.723 JT	0.296 JT
0.27 U	0.49 U	--	0.41 U	0.39 UT
1.4 J	0.94 U	--	0.78 U	0.75 UT
1.1 JT	0.8 UT	--	1.3 NJT	1.7 JT
15 NJT	8 NJT	--	24 NJT	4.7 JT
1600 JT	950 T	--	1100 T	290 JT
200	150	--	250	220 T

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. Also indicates all results that are selected for reporting in preference to other available results (e.g., for

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Table 5.3-5. Results for Indicator Contaminants, Grain Size, and TOC in Sediment Traps, Fourth Quarter (Fall 2007).

Analyte	Units	LW3-ST001	LW3-ST002	LW3-ST003	LW3-ST004	LW3-ST005	LW3-ST006
		11/14/2007	11/14/2007	11/14/2007	11/13/2007	11/13/2007	11/13/2007
Grain Size							
Gravel	percent	2.01 <i>T</i>	0.31 <i>T</i>	--	0.64 <i>T</i>	1.72 <i>T</i>	--
Sand	percent	7.78 <i>T</i>	9.36 <i>T</i>	--	9.9 <i>T</i>	11.76 <i>T</i>	--
Silt	percent	81.3 <i>T</i>	81 <i>T</i>	--	76.2 <i>T</i>	81.8 <i>T</i>	--
Clay	percent	14.77 <i>T</i>	9.97 <i>T</i>	--	9.8 <i>T</i>	8.44 <i>T</i>	--
Conventinals							
Total organic carbon	percent	2.26	2	2.05	2.86 <i>T</i>	2.72	2.07
Metals							
Arsenic	mg/kg	6.22 <i>T</i>	6.24	2.85	6.69	5.41	5.33
Chromium	mg/kg	37.4 <i>T</i>	32.2	16.8 <i>J</i>	39.3	34	28.8
Copper	mg/kg	51.3 <i>T</i>	49.1	25.1	63	51	60.4
Zinc	mg/kg	155 <i>T</i>	160	101	178	166	254
Butyltins							
Tributyltin ion	µg/kg	3.8	4 <i>J</i>	4.3	3.9	13	81
PCBs							
Total PCB Aroclors	µg/kg	23 <i>JT</i>	7.7 <i>JT</i>	12 <i>T</i>	--	21 <i>T</i>	64 <i>T</i>
Total PCB Congeners	µg/kg	24.2 <i>JT</i>	11.3 <i>JT</i>	13.7 <i>JT</i>	39.1 <i>JT</i>	25.3 <i>JT</i>	117 <i>JT</i>
Total PCBs ^a	µg/kg	24.2 <i>JT</i>	11.3 <i>JT</i>	13.7 <i>JT</i>	39.1 <i>JT</i>	25.3 <i>JT</i>	117 <i>JT</i>
PCDD/Fs Homologs							
Total PCDD/F	pg/g	142 <i>JT</i>	59 <i>JT</i>	364 <i>JT</i>	110 <i>JT</i>	155 <i>JT</i>	6100 <i>JT</i>
PCDD/Fs							
TCDD TEQ (ND=0)	pg/g	0.213 <i>JT</i>	0.0728 <i>JT</i>	0.613 <i>JT</i>	0.172 <i>JT</i>	0.775 <i>JT</i>	16.3 <i>JT</i>
Pesticides							
Aldrin	µg/kg	0.2 <i>U</i>	0.19 <i>U</i>	0.25 <i>U</i>	0.23 <i>U</i>	0.21 <i>U</i>	1.2 <i>U</i>
Dieldrin	µg/kg	0.59 <i>U</i>	0.047 <i>U</i>	0.15 <i>NJ</i>	0.59 <i>U</i>	0.64 <i>U</i>	0.58 <i>U</i>
Total Chlordanes	µg/kg	0.58 <i>JT</i>	0.41 <i>NJT</i>	0.8 <i>UT</i>	0.62 <i>JT</i>	1.9 <i>UT</i>	1.5 <i>UT</i>
Total DDX	µg/kg	8.3 <i>NJT</i>	4.6 <i>NJT</i>	7.9 <i>NJT</i>	13 <i>NJT</i>	33 <i>NJT</i>	31 <i>NJT</i>
Polycyclic Aromatic Hydrocarbons							
Total PAHs	µg/kg	370 <i>JT</i>	280 <i>JT</i>	2700 <i>JT</i>	790 <i>T</i>	11000 <i>T</i>	900 <i>JT</i>
Phthalates							
Bis(2-ethylhexyl) phthalate	µg/kg	100	84	110	110	150 <i>J</i>	710

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Analyte	Units	LW3-ST4-001	LW3-ST4-002	LW3-ST4-003	LW3-ST4-004	LW3-ST4-005	LW3-ST4-006
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Table 5.3-5. Results for Indicator Contaminants, Grain Size, and TOC in Sediment Traps, Fourth Quarter (Fall 2007).

Analyte	Units	LW3-ST007	LW3-ST008	LW3-ST009
		11/13/2007	11/13/2007	11/13/2007
		LW3-ST4-007	LW3-ST4-008-1	LW3-ST4-009
Grain Size				
Gravel	percent	1.98 <i>T</i>	2.73 <i>T</i>	--
Sand	percent	60.62 <i>T</i>	20.32 <i>T</i>	--
Silt	percent	36.23 <i>T</i>	64.9 <i>T</i>	--
Clay	percent	6.36 <i>T</i>	8.39 <i>T</i>	--
Conventionals				
Total organic carbon	percent	2.09	2.58 <i>T</i>	3.47
Metals				
Arsenic	mg/kg	4.61	4.75 <i>T</i>	1.48 <i>J</i>
Chromium	mg/kg	38.5	33.8 <i>T</i>	10.8
Copper	mg/kg	51.9	45.3 <i>T</i>	15.2
Zinc	mg/kg	149	127 <i>T</i>	71.6
Butyltins				
Tributyltin ion	µg/kg	5.8	0.6 <i>JT</i>	--
PCBs				
Total PCB Aroclors	µg/kg	2600 <i>T</i>	6.5 <i>UT</i>	7.3 <i>UT</i>
Total PCB Congeners	µg/kg	11100 <i>JT</i>	13 <i>JT</i>	10.6 <i>JT</i>
Total PCBs ^a	µg/kg	11100 <i>JT</i>	13 <i>JT</i>	10.6 <i>JT</i>
PCDD/Fs Homologs				
Total PCDD/F	pg/g	745 <i>JT</i>	64.1 <i>JT</i>	355 <i>JT</i>
PCDD/Fs				
TCDD TEQ (ND=0)	pg/g	1.56 <i>JT</i>	0.476 <i>JT</i>	0.589 <i>JT</i>
Pesticides				
Aldrin	µg/kg	0.16 <i>U</i>	0.18 <i>UT</i>	0.67 <i>U</i>
Dieldrin	µg/kg	0.28 <i>U</i>	0.045 <i>UT</i>	0.34 <i>NJ</i>
Total Chlordanes	µg/kg	460 <i>UT</i>	1.5 <i>NJT</i>	0.63 <i>UT</i>
Total DDX	µg/kg	150 <i>T</i>	4.6 <i>NJT</i>	3 <i>JT</i>
Polycyclic Aromatic Hydrocarbons				
Total PAHs	µg/kg	450 <i>T</i>	190 <i>JT</i>	--
Phthalates				
Bis(2-ethylhexyl) phthalate	µg/kg	280	190 <i>T</i>	--

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<u>Analyte</u>	<u>Units</u>	<u>LW3-ST4-007</u>	<u>LW3-ST4-008-1</u>	<u>LW3-ST4-009</u>
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Table 5.3-5. Results for Indicator Contaminants, Grain Size, and TOC in Sediment Traps, Fourth Quarter (Fall 2007).

Analyte	Units	LW3-ST010	LW3-ST011	LW3-ST012	LW3-ST013	LW3-ST014	LW3-ST015
		11/13/2007	11/14/2007	11/14/2007	11/13/2007	11/13/2007	11/13/2007
Grain Size							
Gravel	percent	1.53 <i>T</i>	3.95 <i>T</i>	1.65 <i>T</i>	1.16 <i>T</i>	0.98 <i>T</i>	2.18 <i>T</i>
Sand	percent	6.6 <i>T</i>	7.99 <i>T</i>	7.66 <i>T</i>	6.39 <i>T</i>	20.78 <i>T</i>	17.47 <i>T</i>
Silt	percent	76.2 <i>T</i>	95.6 <i>T</i>	76.2 <i>T</i>	86.6 <i>T</i>	71.65 <i>T</i>	74.36 <i>T</i>
Clay	percent	16.22 <i>T</i>	10 <i>T</i>	8.81 <i>T</i>	10.11 <i>T</i>	6.47 <i>T</i>	5.35 <i>T</i>
Conventionals							
Total organic carbon	percent	3.18	2.51	2.57	2.7	2.4	2.56
Metals							
Arsenic	mg/kg	4.63	7.01	5.29	6.07	4.42	4.33
Chromium	mg/kg	35.3	38.8	34.4	35.3	29.7	30
Copper	mg/kg	43	57.9	51.5	58.2	47	47.1
Zinc	mg/kg	125	163	156	173	136	171
Butyltins							
Tributyltin ion	µg/kg	0.24 <i>U</i>	6.5	4.8	4.5	9.1	0.87 <i>U</i>
PCBs							
Total PCB Aroclors	µg/kg	12 <i>UT</i>	14 <i>UT</i>	35 <i>UT</i>	58 <i>JT</i>	11 <i>UT</i>	--
Total PCB Congeners	µg/kg	7.56 <i>JT</i>	32.3 <i>T</i>	18 <i>JT</i>	106 <i>JT</i>	20.9 <i>T</i>	73.7 <i>JT</i>
Total PCBs ^a	µg/kg	7.56 <i>JT</i>	32.3 <i>T</i>	18 <i>JT</i>	106 <i>JT</i>	20.9 <i>T</i>	73.7 <i>JT</i>
PCDD/Fs Homologs							
Total PCDD/F	pg/g	37.4 <i>JT</i>	129 <i>JT</i>	107 <i>JT</i>	87.3 <i>JT</i>	1060 <i>JT</i>	114 <i>JT</i>
PCDD/Fs							
TCDD TEQ (ND=0)	pg/g	0.0678 <i>JT</i>	0.192 <i>JT</i>	0.209 <i>JT</i>	0.0952 <i>JT</i>	1.82 <i>JT</i>	0.185 <i>JT</i>
Pesticides							
Aldrin	µg/kg	0.27 <i>U</i>	0.22 <i>U</i>	0.21 <i>U</i>	0.25 <i>U</i>	0.61 <i>NJ</i>	0.18 <i>U</i>
Dieldrin	µg/kg	0.47 <i>U</i>	0.36 <i>U</i>	0.35 <i>U</i>	0.5 <i>U</i>	0.26 <i>U</i>	0.19 <i>U</i>
Total Chlordanes	µg/kg	0.83 <i>JT</i>	3.4 <i>NJT</i>	0.78 <i>NJT</i>	0.74 <i>JT</i>	0.91 <i>NJT</i>	1.1 <i>NJT</i>
Total DDX	µg/kg	2.6 <i>T</i>	6 <i>T</i>	13 <i>T</i>	8.1 <i>NJT</i>	17 <i>JT</i>	12 <i>NJT</i>
Polycyclic Aromatic Hydrocarbons							
Total PAHs	µg/kg	290 <i>JT</i>	980 <i>T</i>	1200 <i>T</i>	430 <i>JT</i>	580 <i>T</i>	590 <i>T</i>
Phthalates							
Bis(2-ethylhexyl) phthalate	µg/kg	480 <i>J</i>	250 <i>J</i>	110	220	68	310

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Analyte	Units	LW3-ST4-010	LW3-ST4-011	LW3-ST4-012	LW3-ST4-013	LW3-ST4-014	LW3-ST4-015
Notes:							
		^a Total PCBs are total PCB congeners whenever available and total Aroclors if not.					
		-- data not available					
		PAH - polycyclic aromatic hydrocarbon					
		PCB - polychlorinated biphenyl					
		TOC - total organic carbon					
Reason codes for qualifiers:							
		A - Total value based on limited number of analytes.					
		J - The associated numerical value is an estimated quantity.					
		N - Presumptive evidence of presence of material; identification of the compound is not definitive.					
		T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available parameters reported by multiple methods) for the Round 2 data.					
		U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.					

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Table 5.3-5. Results for Indicator Contaminants, Grain Size, and TOC in Sediment Traps, Fourth Quarter (Fall 2007).

Analyte	Units	LW3-ST016
		11/13/2007
Grain Size		LW3-ST4-016
Gravel	percent	2.06 <i>T</i>
Sand	percent	13.84 <i>T</i>
Silt	percent	71.46 <i>T</i>
Clay	percent	6.2 <i>T</i>
Conventionals		
Total organic carbon	percent	2.59
Metals		
Arsenic	mg/kg	5.03
Chromium	mg/kg	33.3
Copper	mg/kg	47.2
Zinc	mg/kg	145
Butyltins		
Tributyltin ion	µg/kg	0.33 <i>U</i>
PCBs		
Total PCB Aroclors	µg/kg	--
Total PCB Congeners	µg/kg	24.3 <i>JT</i>
Total PCBs ^a	µg/kg	24.3 <i>JT</i>
PCDD/Fs Homologs		
Total PCDD/F	pg/g	69.2 <i>JT</i>
PCDD/Fs		
TCDD TEQ (ND=0)	pg/g	0.136 <i>JT</i>
Pesticides		
Aldrin	µg/kg	0.21 <i>U</i>
Dieldrin	µg/kg	0.35 <i>U</i>
Total Chlordanes	µg/kg	1.8 <i>JT</i>
Total DDX	µg/kg	5.5 <i>JT</i>
Polycyclic Aromatic Hydrocarbons		
Total PAHs	µg/kg	240 <i>JT</i>
Phthalates		
Bis(2-ethylhexyl) phthalate	µg/kg	150

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Analyte	Units	LW3-ST4-016
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calculating the
table results (e.g., for

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Table 5.3-6. Results for Indicator Contaminants, Grain Size, and TOC in Sediment Traps, Third Quarter (Summer 2009).

Analyte	Units	RM11E_STST001	RM11E_STST002	RM11E_STST003	RM11E_STST004
		9/21/2009	9/21/2009	9/21/2009	9/21/2009
Grain Size					
Gravel	percent	0 T	--	--	--
Sand	percent	23.34 T	--	--	--
Silt	percent	74.3 T	--	--	--
Clay	percent	7.1 T	--	--	--
Conventional					
Total organic carbon	percent	2.78	3.23	2.17	2.82
Metals					
Arsenic	mg/kg	3.55 T	4.05	2.75	3.14
Chromium	mg/kg	26.7 T	27	30.8	24
Copper	mg/kg	37.8 JT	40.9 J	37.7 J	35.3 J
Zinc	mg/kg	106 T	101	108	105
Butyltins					
Tributyltin ion	µg/kg	54	2 J	3.5	2.9 J
PCBs					
Total PCB Aroclors	µg/kg	69 T	22 T	1300 T	130 T
Total PCB Congeners	µg/kg	119 JT	119 JT	549 JT	78.6 JT
Total PCBs ^a	µg/kg	119 JT	119 JT	549 JT	78.6 JT
PCDD/Fs Homologs					
Total PCDD/F	pg/g	1641.632 JT	293.81 JT	1121.68 JT	1282.45 JT
PCDD/Fs					
TCDD TEQ (ND=0)	pg/g	3.1 JT	0.553 JT	3.01 JT	3.3 JT
Pesticides					
Aldrin	µg/kg	0.071 U	0.37 U	0.28 U	0.31 U
Dieldrin	µg/kg	0.52 U	0.094 U	0.41 U	0.71 U
Total Chlordanes	µg/kg	3.2 UT	0.36 JT	4.3 UT	0.31 UT
Total DDx	µg/kg	1.56 JT	1.44 JT	14 T	2.8 JT
Polycyclic Aromatic Hydrocarbons					
Total PAHs	µg/kg	709 JT	475 JT	1160 T	510 T
Phthalates					

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Bis(2-ethylhexyl) phthalate	µg/kg	190	300	180 J	180 J
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Notes:

^a Total PCBs are total PCB congeners whenever available and total Aroclors if not.

-- data not available

PAH - polycyclic aromatic hydrocarbon

PCB - polychlorinated biphenyl

TOC - total organic carbon

Reason codes for qualifiers:

A - Total value based on limited number of analytes.

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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RM11E_STST005	RM11E_STST006	RM11E_STST007
9/21/2009	9/22/2009	9/22/2009
RM11E_STST005-Q3	RM11E_STST006-Q3	RM11E_STST007-Q3
--	--	--
--	--	--
--	--	--
--	--	--
--	3.62	2.36
--	3.72 <i>T</i>	3.18
--	27.9 <i>T</i>	21.5
--	42.7 <i>T</i>	34.9
--	135 <i>T</i>	110
--	2.1 <i>J</i>	1.3 <i>U</i>
--	4.9 <i>T</i>	13.6 <i>JT</i>
22.5 <i>JT</i>	22.1 <i>JT</i>	22.6 <i>JT</i>
22.5 <i>JT</i>	22.1 <i>JT</i>	22.6 <i>JT</i>
--	900.8 <i>JT</i>	516.805 <i>JT</i>
--	2.61 <i>JT</i>	1.15 <i>JT</i>
0.41 <i>U</i>	0.085 <i>U</i>	0.065 <i>U</i>
0.12 <i>U</i>	0.13 <i>U</i>	0.073 <i>U</i>
0.95 <i>UT</i>	0.37 <i>UT</i>	0.21 <i>JT</i>
0.71 <i>UT</i>	1.1 <i>JT</i>	1.98 <i>JT</i>
309 <i>JT</i>	478 <i>JT</i>	876 <i>T</i>

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r a single analyte). Also indicates all results that are selected for reporting in

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Table 5.3-7. Results for Indicator Contaminants, Grain Size, and TOC in Sediment Traps, Fourth Quarter (Fall 2009).

Analyte	Units	RM11E_STST001	RM11E_STST002	RM11E_STST003	RM11E_STST004
		1/13/2010	1/13/2010	1/13/2010	1/14/2010
Grain Size					
Gravel	percent	0.26 T	0 T	0.09 T	28.54 T
Sand	percent	15.9 T	9.95 T	31.81 T	31.31 T
Silt	percent	76.4 T	88.3 T	64.8 T	42.3 T
Clay	percent	6.5 T	2.74 T	3.71 T	2.4 T
Conventional					
Total organic carbon	percent	4.06 T	3.3	2.66	2.62 T
Metals					
Arsenic	mg/kg	3.4	3.59	2.82	2.77 T
Chromium	mg/kg	23.1	24.2	24.8	17.5 T
Copper	mg/kg	34.2	35.4	30.7	28 T
Zinc	mg/kg	82.1	81.3	74.9	71.5 T
Butyltins					
Tributyltin ion	µg/kg	1.4 U	2.8 J	1.8 J	2.7 JT
PCBs					
Total PCB Aroclors	µg/kg	130 T	9.3 T	1100 T	14.5 T
Total PCB Congeners	µg/kg	53.5 JT	11.1 JT	71.9 JT	13.8 JT
Total PCBs ^a	µg/kg	53.5 JT	11.1 JT	71.9 JT	13.8 JT
PCDD/Fs Homologs					
Total PCDD/F	pg/g	409.41 JT	241.21 T	226.44 T	434.61 T
PCDD/Fs					
TCDD TEQ (ND=0)	pg/g	0.615 JT	0.837 JT	0.482 JT	1.44 JT
Pesticides					
Aldrin	µg/kg	0.27 U	0.22 J	0.28 U	0.1115 JT
Dieldrin	µg/kg	0.32 U	0.14 U	0.071 U	0.16 JT
Total Chlordanes	µg/kg	1.3 UT	0.47 UT	86 UT	0.3 UT
Total DDX	µg/kg	14.6 T	0.94 JT	20.4 JT	4.66 JT
Polycyclic Aromatic Hydrocarbons					
Total PAHs	µg/kg	1220 T	393 JT	278 JT	918 JT
Phthalates					

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Bis(2-ethylhexyl) phthalate	µg/kg	650	340	340	240 JT
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Notes:

^a Total PCBs are total PCB congeners whenever available and total Aroclors if not.

PAH - polycyclic aromatic hydrocarbon

PCB - polychlorinated biphenyl

TOC - total organic carbon

Reason codes for qualifiers:

A - Total value based on limited number of analytes.

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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RM11E_STST005	RM11E_STST006
1/14/2010	1/13/2010
<u>RM11E_STST005-Q4</u>	<u>RM11E_STST006-Q4</u>
0 <i>T</i>	25.1 <i>T</i>
16.85 <i>T</i>	15.37 <i>T</i>
69.9 <i>T</i>	51.5 <i>T</i>
3.75 <i>T</i>	4.84 <i>T</i>
3.17	13.6
3.22	2.69
21.7	16.9
31.3	25.4
76.2	63.4
1.3 <i>U</i>	1.3 <i>U</i>
8.5 <i>T</i>	5.7 <i>UT</i>
7.98 <i>JT</i>	0.925 <i>JT</i>
7.98 <i>JT</i>	0.925 <i>JT</i>
878.88 <i>T</i>	156.01 <i>T</i>
2.3 <i>JT</i>	0.339 <i>JT</i>
0.095 <i>U</i>	0.3 <i>U</i>
0.082 <i>U</i>	0.17 <i>U</i>
0.31 <i>UT</i>	0.76 <i>UT</i>
0.69 <i>T</i>	2.1 <i>JT</i>
436 <i>JT</i>	255 <i>JT</i>

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590

370

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